

# LCFS Reporting Update

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**Sacramento, CA**

California Environmental Protection Agency  
 **Air Resources Board**

## Overview

- AFP update
- Draft regulatory guidance documents:
  - FAQ for electricity & hydrogen
  - Substitute FPC (CIs ) for certain fuel transactions
  - Exemption for fuel used in interstate locomotives
  - Clarification on energy and mass density of natural gas
- Upcoming LCFS Rulemaking Items

## Alternative Fuel Portal (AFP)

### AFP Update

- AFP replaced and updated “AFRS”
- Enhanced Producer Accounts
- Production Facility Registration
- Fuel Transport Mode (FTM) Demonstration
- Continuous Improvements

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## Alternative Fuel Portal (AFP) (cont'd)

### AFP Update

- Fuel Pathway Evaluation Process
  - Online pathway application submittals
  - New pathway applications
  - Legacy pathway re-certifications
  - Portal stores all pathway documentation
  - Automated email notifications at each step

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## Guidance for Electricity & Hydrogen Fuel Providers

- Consists of 4 documents explaining LCFS requirements & credits calculation for:
  - Electric vehicles
  - Hydrogen fuel cell vehicles
  - Transit agencies
  - Fixed guideways

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## Substitute FPC (CIs Values)

- Can only be used when FPC is not available for ethanol, biodiesel, and renewable diesel
- Only applicable for the following transaction types in LRT-CBTS :
  - sold without obligation
  - purchased without obligation
  - export
  - loss of inventory
  - not used for transportation

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## Proposed Substitute FPCs (cont'd)

Fuel	Substitute FPC	CI
Ethanol	ETH0116	40
Biodiesel	BIOD0116	15
Renewable Diesel	RNWD0116	30

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## Fuel Export

- PTD must contain a notice that the fuel was reported to LCFS & any export should be reported
- To keep balance of credits (deficits), the exporting party should report the exported volume under "export" transaction type in LRT-CBTS
  - Exporting party will incur deficits
  - When FPC is unknown → use substitute FPC

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## Exemption for Fuel used in Interstate Locomotives

- Fuel consumed in interstate locomotives is exempt from the LCFS compliance obligation
- The draft guidance explains how railroads can claim this exemption in the LRT-CBTS

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## Energy Density of Natural Gas

- Used to calculate credits/deficits in LRT-CBTS
- Adjusted units from ft<sup>3</sup> to scf, the value remains the same

Fuel (units)	Energy Density (units)		
	Old regulation	New regulation	Value used in LRT-CBTS
CNG (scf)	0.98 (MJ/scf)	1.04 (MJ/ft <sup>3</sup> )	0.98 (MJ/scf)

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## Mass Density of Natural Gas

- Used to convert lbs of natural gas to scf
- Old value based on CA-GREET 1.8, the new value based on CA-GREET 2.0

Fuel (units)	Mass Density (units)		
	Old regulation	New regulation	Value to be used for conversion
CNG (scf)	20.4 (g/scf)	20.4 (g/scf)	20.8 (g/scf)

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## Possible Reporting Items for Upcoming LCFS Rulemaking

- Harmonization with other ARB GHG reporting requirements
- Add new reporting requirements to facilitate third party verification
- Hydrogen reporting enhancement (SB1505)

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## Contact Information

Dr. Manisha Singh, Manager, Fuels Section

[Manisha.Singh@arb.ca.gov](mailto:Manisha.Singh@arb.ca.gov)

(916) 327-1501

Dr. Veronika Pesinova, Lead Staff, LCFS Reporting

[Veronika.Pesinova@arb.ca.gov](mailto:Veronika.Pesinova@arb.ca.gov)

(916) 324-8153